

9 Lead-Based Paint Research

Field Research at Selected Installations

Military installations typically have extensive lead paint problems. The lead paint must be removed and disposed of properly. All of the installations visited have undergone at least one lead paint survey in the past, and have been found to have lead paint problems. Lead Paint remediation is dictated primarily by risk, with family housing receiving the highest priority (although abandoned family housing units are not considered high risk). Office buildings are considered “medium-risk” structures and may or may not be scheduled for remediation. Other structures such as hangars and maintenance buildings are assigned a low priority and are not included in the remediation schedule. For installations throughout the world, management of lead paint removal actions and maintenance of compliance related information is a necessity. There is a definite and urgent need for an effective way to manage the data related to lead paint and its abatement, including the locations of lead paint areas and the managing and scheduling of removal actions. Databases coupled with CADD/GIS would be an extremely effective tool for management of lead paint contamination.

DESCIM Data Models

One DESCIM model - TOXICV2.pdf - Toxic Substance View – included information potentially related to lead paint assessment and removal. This model was reviewed and evaluated to identify compliance-related tables and attributes related to the evaluation, control and remediation of lead-based paint. These tables and attributes then were checked for fields that could be integrated into the TSFMS data standards. When related fields were identified, they were included in the proposed data structure.

pcV3[®] Software – Asbestos, Lead-Based Paint & Facility Management Software

As noted in Section 8.0, pcV3[®] Software is an interactive database that allows facility management personnel to maintain large amounts of data related to asbestos and lead-based paint.

The lead-based paint tracking module was reviewed and evaluated. Attributes found to be relevant to the TSFMS have been included in the proposed data standards.

Baker's DoDDS Activities ACM Database

Baker's ACM investigation and remediation database was reviewed to identify data attributes that also could be applied to work with the evaluation, control and remediation of lead-based paint. These fields have been included in the TSFMS data standards.

Patuxent River ENRMS Module of the APMM

Pax River's ENRMS module includes lead paint management features. This database was reviewed for information that could be added to the TSFMS data standards. Relevant fields have been included in the proposed TSFMS data standards.

Other Information Sources

Baker also reviewed information available on the EPA's home page (<http://www.epa.gov>) to identify additional areas of concern that should be included in the database.